

Monohybrid Cross

Name _____

Period _____

Part A: Vocabulary (1 pt. each)

Match the definitions on the left with the terms on the right.

- D 1. genotypes made of the same alleles
A 2. different forms of genes for a single trait
B 3. gene that is always expressed
E 4. gene that is expressed only in the homozygous state
C 5. genotypes made of two different alleles

- A. alleles
 B. dominant
 C. heterozygous
 D. homozygous
 E. recessive

Below each of the following words are choices. Circle the choices that are examples of each of those words. (2 pts. per problem. Must answer at least 2 choices correct on each question to receive points. If only one choice is correctly selected=1 pt.)

6. Dominant allele

D e k L N n R S

7. Recessive allele

M n d F G r k P

8. Homozygous dominant

AA Gg KK mm uu Rr TT

9. Homozygous recessive

ee Ff HH Oo qq Uu ww

10. Genotypes in which dominant gene must show

AA Dd EE ff Jj RR Ss

11. Genotypes in which recessive gene must show

aa Gg Ff KK rr Oo Tt

Part B: Punnett Squares (2 pts. for selecting both correct. 1 for selecting one correct. 0 pts for no correct response.)

12. Examine the following Punnett squares and circle those that are correct.

	D	d
d	Dd	dd
d	Dd	dd

	D	D
d	Dd	DD
d	Dd	DD

	A	a
A	AA	aa
a	Aa	Aa

	A	a
a	Aa	aa
a	Aa	aa

13. What do the letters on the outside of the Punnett square stand for? Parent Genotypes (1 pt.)

Genetics Unit Guided Practice Monohybrid Crosses Answers

Yijin Wang



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